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Product datasheet for SC126702

SNF2H (SMARCA5) (NM_003601) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SNF2H (SMARCA5) (NM_003601) Human Untagged Clone
Tag:	Tag Free
Symbol:	SNF2H
Synonyms:	hISWI; hSNF2H; ISWI; SNF2H; WCRF135
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)

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Fully Sequenced ORF:

>NCBI ORF sequence for NM_003601, the custom clone sequence may differ by one or more nucleotides

ATGTCGTCCGCGGCCGAGCCTCCGCCACCCCCGCCTCCCGAGAGCGCGCCTTCCAAGCCCGCAGCCTCGA
TCGCCAGCGGCGGGAGCAACAGCAGCAACAAAGGCGGCCCCGAAGGCGTCGCGGCGCAGGCGGTTGCGTC
TGCGGCCAGCGCTGGTCCCGCAGACGCCGAGATGGAGGAAATATTTGATGATGCGTCACCTGGAAAGCAA
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TTTGCACTCGATTTGAAGACTCTCCATCGTATGTAAAATGGGGTAAACTGAGAGATTATCAGGTCCGAGG
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GATGTATGTGTAACATCTTATGAAATGCTTATTAAAGAGAAGTCTGTGTTCAAAAAATTTAATTGGAGAT
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GTCATTCAACAAGGGAGGCTTGTGGATCAGAATCTGAACAAAATTGGGAAAGATGAAATGCTTCAAATGA
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ACCAAAGCCTTCAACACAGAAACGTAAAATGGATGGCGCACCTGATGGTCGAGGAAGAAAAAGAAGCTG
AAACTATGA

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_003601 unedited
GCACATTTTGGAATACGACTCACTATAGGGCGGCCGCGGAATTCGCACGAGGGCCCCGCG
GAAGACAGAACGTTTGGGAGTGTGCAGCTCCTGGGCCCGGCTCAAGCCCGTCGCGGAGGC
GCGGCGCAGGGGAGCGCTCGGGTGGGAGTCTCGCTCCTCCACCAGTTTATTGCGACGTAG
CATCCAGGCCTAGGCCTCCCCGTCCATCCCCGCCGGACTCGGGCCTCTGGCAGCAGCGGG
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AGCGCGCCTTCCAAGCCCGCAGCCTCGATCGCCAGCGGCGGGAGCAACAGCAGCAACAAA
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GAACCAGATCCTACCTATGAAGAAAAAATGCAAACTGACCGGGCAAATAGATTCGAGTAT
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TTACTATCCGTTGGCGATTACCGACACCGTTAGACAGAGCATGAGAGGATGAACAGCTGT
TAACAGAAAGCTCCAAAGCAACCAATGTTTGCACTCGCATTTGAGACTCTCCATCGTNTG
TGAAATGGGGTAAACTGANAGATTATCAGGTCCGAGGATTAAACTGCCTCATTTCCTTCG
CTGAGAATGGCATCAATGCTATCCTTGCGGAAGAATAGGGCCTATGAAGACTCTTCAACC
ATTTCTCTCTTGGGTCCTGAACATTATGGAACTTTCTGGCCTATAAGGGTTTGTGCTAGC
GTACATAACACTGG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_003601 unedited
TATGAACCCGCGGCCGCATTCTAGGATCGAGTTTTTTTTTTTTTTTTTTTAATAAATGAA
GCCTATTTTATTACTTCAAGTGTTAATGATAAAAAAATTCAGCACAGCTGTTGCATTTAA
AAAAGTGAAACTACATACTATGTTTCTAGCTCAGTAAACAGATGAACCTGATGTCTTTAA
ATGACATAACAATTGAGCATTGTACAGTACATCTTATGAAGACCCGTAAATTAAAGAACT
ACTGGTTTAAAGTTAGTGATTATGAAACAAAAACATATTCATAGTTTCAGCTTCTTTTTT
CTTCCTCGACCATCAGGTGCGCCATCCATTTTACGTTTCTGTGTTGAAGGCTTTGGTCCT
CGTTTCTTTTTCTCTGCCTTCTCCTTTTCTTCTAGTTCCATGTTTTCTCTTTCAATCAAA
GTAATTAAGGTATTACATCTCCTCTGGAGCTCCATTGCAGTTCTGGACTTAAGAAACCAG
TCAAATCTGAACTGAGGAGAGTTGCGAATACACTGTCGCAATTCATCATAAACATTTTCT
TTGTCAAATCCAAGTTTGTGAAGCATACAAATCAGAAAACGATCTTCTTCTTCAGTATAG
TTTTTTCCTTTGTTAGTACCATATGATATTCTCAGCTGATGAAAAGGTGCTTTGTACCGT
CCAATCTTTGTGTCAAGTGCTTTCTTGATGCTTATTCTTCTTTGAATTCTCGCCTCTCCC
CTTTCAATCTGAGCCATAATCTTCTCTATGTCCTGGAGCTCGTTGCACCTTTCCCAAACA
CAGCTGAATATTCATGACTTCTTCTGGAGTTNTGCCTTCTACTTCTCTTGCTATATTTTC
AATATCATCACGACCCCACTTCTCATTAGCTTTGATAAACTGGGTAAAATCTCTCTATCC
NATTGGGTAATCCNTGTGTTAGAAGCTCTCTTTTTCCTCTACTCTCATCATAAGGAATCA
GCTTCTCATTTTAAGCTGTCTCTTTGGGCCTGGCTGCGTT

Restriction Sites: NotI-NotI

ACCN: NM_003601

Insert Size: 3800 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_003601.2, NP_003592.2
RefSeq Size:	3866 bp
RefSeq ORF:	3159 bp
Locus ID:	8467
UniProt ID:	O60264
Cytogenetics:	4q31.21
Domains:	SNF2_N, myb_DNA-binding, DEAD, helicase_C
Protein Families:	Transcription Factors
Gene Summary:	The protein encoded by this gene is a member of the SWI/SNF family of proteins. Members of this family have helicase and ATPase activities and are thought to regulate transcription of certain genes by altering the chromatin structure around those genes. The protein encoded by this gene is a component of the chromatin remodeling and spacing factor RSF, a facilitator of the transcription of class II genes by RNA polymerase II. The encoded protein is similar in sequence to the Drosophila ISWI chromatin remodeling protein. [provided by RefSeq, Jul 2008]